

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION

5    Entitled :   Nozzle vane with two slopes

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ABSTRACT OF THE DISCLOSURE

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          A nozzle vane for a rotary disk of a turbomachine,  
the vane comprising pressure side and suction side  
surfaces extending radially between a base and a tip and  
longitudinally between a leading edge and a trailing  
20   edge, with a plurality of vane sections having centers of  
gravity aligned along a stacking axis, the vane  
presenting a lower portion, an intermediate portion, and  
an upper portion, the lower portion extending radially  
between the base of the vane and a lower limit of the  
25   intermediate portion, and the upper portion extending  
radially between an upper limit of the intermediate  
portion and the tip of the vane, the stacking axis  
presenting, in the lower and upper portions, a tangential  
component that is substantially radial, and in the  
30   intermediate portion, a tangential component with two  
slopes.